NASA TECH BRIEF

Marshall Space Flight Center

Flat Conductor Cable Connector Survey

A design handbook was compiled which contains data and illustrations concerned with commercial and Government flat conductor cable (FCC) connecting and terminating hardware. Material was obtained from a NASA sponsored, industry-wide survey in which approximately 150 companies and Government agencies were contacted. The specific objectives of the survey were to locate current and potential sources of FCC connecting and terminating devices within Government and industry, to obtain data on available items and those in development, and to compile the material into a design handbook.

The handbook is intended for managers, engineers, designers, procurement specialists, and other interested personnel. Document format has been designed so that coverage by item and producer is comprehensive enough to enable an individual to select items which will meet his requirements. Then, more detailed information (including prices) can be obtained directly from the manufacturers.

Material has been divided into two main sections. One consists of standardized data sheets containing information compiled from questionnaires. This section has been subdivided into three major areas according to type connector or transition:

(1) Connectors: Flat to Flat,
(2) Connectors: Flat to Round, and
(3) Transitions.

Each item of hardware is described in terms of electrical, physical, and operating parameters; required cable end preparation; applicable specifications and standards; and applications for which the hardware was designed. The second main section contains additional manufacturer-supplied information, such as photos, illustrations, and component family data sheets.

Note:

Requests for further information may be directed to:
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